

			_	ш	D	С	æ	Α	MARK SIZE	
		4	4	4	Œ	4	Œ	5	SIZE	
									QUAN TYPE	
#	#	STR	2	STR	2	STR	STR	STR	TYPE	0
BARS,	BARS,		2'-0"		2'-3"				R	31555 30157055
TOTAL	TOTAL	1	9,"		2'-3" 1'-0"	1	-	-	S	
#5 BARS, TOTAL LENGTH	#4 BARS, TOTAL LENGTH	5'-9"	2'-9"	5'-9"	3'-3"		3'-3"	6'-0"	LENGTH	
									TOTAL LENGTH	

FT.	(61.3 FT./CORNER)	(61.3		TEEL
FT.	(12.5 FT./LIN. FT.)	(12.5	#5	Î
FT.	STEEL #4 (21.8 FT./LIN. FT.)	(21.8	#4	TEEL
CU. YDS.	ONCRETE (0.33 CU.YDS./LIN.FT.)	(0.33)	ETE	ONCF

TOTAL LENGTH OF WALL

A 2-FOOT MINIMUM OF BACKFILL IS REQUIRED.

DIMENSIONS ARE TO THE REINFORCING BAR SURFACE.

LIQUID-TIGHT JOINT CONSTRUCTION JOINT YES

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CONSTRUC^{*}

ION JOINT OPTIONS

Date

<u>06/23/0</u>5

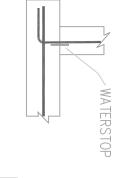
LIQUID-TIGHT JOINT OPTIONS

HYDROPHILIC WATERSTOP NON-METALIC WATERSTOP (PVC)

. IF SLAB AND WALL ARE POURED SEPARATELY, THE SLAB SURFACE MUST BE THOROUGHLY CLEANED WITH WATER AND A WIRE BRUSH. THE SURFACE OF THE JOINT SHALL BE KEPT MOIST FOR AT LEAST 1 HOUR PRIOR TO PLACEMENT OF NEW CONCRETE.

POURED AT THE SAME TIME ELIMINATING THE NEED FOR A CONSTRUCTION JOINT. THE SLAB AND WALL MAY BE

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6-FOOT WALL CORNER RESTRAINING SLAB OPTION SLAB CORNER DETAILS DETAILS SNO SEE PA-027A SEE PA-023 SEE PA-024

GENER AL

DRAINAGE SHALL BE AWAY FROM THE WALL

THE MINIMUM TOP WIDTH OF THE BACKFILL AGAINST THE WALL OR GREATER THAN THE BACKFILL HEIGHT. SHALL BE EQUAL

MAXIMUM FOOTING CONTACT PRESSURE IS 1080 psf/ft.

DESIGN STRENGTHS: WORKING STRESS DESIGN

CONCRETE $f_C = 4,000 \text{ psi}$ STEEL $f_S = 20,000$

psi (GRADE 40)

WALL DESIGN LOADING: 313 STANDARD — LATERAL EARTH PRESSURE VALUES, SEE SECTION IV OF THE FIELD OFFICE TECHNICAL GUIDE.

*MANURE LOAD INSIDE = 65 psf/ft.
*SOIL BACKFILL LOAD OUTSIDE = 60 psf/ft.
*NO HORIZONTAL SURCHARGE ADDED.
*SOIL BACKFILL DENSITY = 110 pcf.
*WATER TABLE MUST BE BELOW THE FOOTING ELEVATION

WALL RESTRAINT REQUIREMENTS: •5" THICK SLAB, SAFETY FACTOR AGAINST SLIDING 1.5

2 FEET **	NO SLAB	3 FEET 2 FEET
SLAB LENGTH	SLAB LENGTH	BACKFILL HEIGHT
FULL INSIDE LOAD	NO INSIDE LOAD	(OUTSIDE LOAD)

** MINIMUM SLAB LENGTH OF 2 FEET REQUIRED AND MUST SLAB POURED WITH WALL FOOTING: #3 BARS @ 18" SPACING (MINIMUM REINFORCEMENT) SLAB NOT POURED WITH WALL FOOTING: #3 DOWEL BARS — 3'—0" LENGTH @ 7'—0" SPACING. BE TIED INTO

IS FILED AT THE NRCS STATE OFFICE, THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPE WITH THE WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION. 8030 EXCELSIOR DRIVE, MADISON, WISCONSIN 53717-2906 IT WAS DEVELOPED IN COOPERATION THE DESIGN FOLDER

(ADAPTED FROM WI-560, APRIL 2005)

PA-0224

"awing No. 11/07/07 15:27

File No. PA-0224

COUNTY, PENNSYLVANIA

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6' HIGH, 8" L-WALL (BACKFILL 2-4 FT. W/O SURCHARGE)